



Mark.Wuttig@CH2M.com
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To Christopher Lichens/R9/USEPA/US@EPA
cc
bcc
Subject Omega Chemical -- Request for Cross Section

Chris,

As we discussed after the 11:00 p.m. conference call this morning with Chuck and Dave to review EPA's request to prepare cross section(s) as part of developing the plan to install deeper well (OW-9), it appears that there are two deeper wells that could be used for control (OW-1b and OW-4b), instead of only one as discussed during the 11:00 call (OW-1b). Perhaps this was my mis-understanding. I discovered that OW-4b was also available as a deeper well when re-reading the June 7, 2004 CDM memo. The proximity of each of the two deeper wells, one upgradient and the other downgradient, make them suitable for developing the cross section. From CDM Figure 1, Omega Site Phase 1a Area Boring and Well Location Map, OW-1b is approximately 250 feet upgradient and OW-4b is approximately 650 feet downgradient of planned OW-9. Although OW-4b is two to three times as distant as OW-1b, it is still close enough to provide value.

Given this, I am reconsidering my conclusion this morning to simply summarize the lithologic information from OW-1b as a basis for installing OW-9. I think it would be appropriate to prepare a cross section from OW-1b through OW-9 to OW-4b. Information from shallower wells (lithologic and VOC) should be projected onto the cross section as appropriate, in addition to that information from the deeper wells. This would clearly show the conceptual model and provide a valuable communication tool, not only between OPOG/EPA, but also for the staff performing the field work. I do not think that 650 feet is too far to project and, at a minimum, it will show the similarity, or dissimilarity of the materials with horizontal distance.

At a minimum, the plans to install OW-9 should be linked to each of the two deep borings (OW-1b, OW-4b) in a manner that I discussed this morning when I thought only OW-1b was applicable. However, a cross section would be more appropriate.

Mark.